IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

HENLEY et al

Atty. Ref.:

3589-56

Serial No.

Group:

Filed:

Examiner:

For:

ELECTROKINETIC DELIVERY OF MEDICAMENTS

* * * * * * *

March 24, 2004

Assistant Commissioner for Patents Washington, DC 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

As suggested by 37 C.F.R. §1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO-1449. A copy of each of the references may be found in parent application Serial No. 10/245,337. This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

NIXON & VANDERHYE P.C.

Bv:

Richard G. Besha Reg. No. 22,770

RGB:pfc

1100 North Glebe Road, 8th Floor

Arlington, VA 22201-4714

Telephone: (703) 816-4000 Facsimile: (703) 816-4100

INFORMATION	DISCLOSURE
CITAT	ΓΙΟΝ

ATTY, DOCKET NO.

SERIAL NO.

N 3589-56 APPLICANT

HENLEY et al

(Use several sheets if necessary)

FILING DATE GROUP

		U	S. PATENT DOCUMENTS			
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	206,474	7/1878	MOREL			
	279,524	06/1883	BEATY	607	145	
	484,522	10/1892	McBRIDE			
	600,290	03/1898	MUIR			
	1,967,927	07/1934	DEUSTCH	604	20	
	2,047,308	07/1936	CHAPMAN	128	799	
	2,123,980	7/1938	WARWICK			
	2,126,070	08/1938	WAPPLER			
	2,834,344	05/1958	KANAI	1		<u> </u>
	3,019,787	02/1962	SIMMONS			
	3,048,170	08/1962	LEMOS			
	3,107,672	10/1963	HOFMANN		-	
	3,163,166	12/1964	BRANT ET AL.			
	3,298,368	01/1967	CHAROS	128	260	
	3,520,297	07/1970	BECHTOLD			
	3,556,105	1/1971	SHEPARD			
	3,645,260	02/1972	CINOTTI ET AL.			
	3,716,054	02/1973	PORTER ET AL.			
	3,831,598	08/1974	TICE			
	3,848,600	11/1974	PATRICK, JR. ET AL.	128	783	
	4,116,238	09/1978	PETTIJOHN	128	172.1	
	4,211,222	07/1980	TAPPER	128	803	
	4,292,968	10/1981	ELLIS	128	207.21	
	4,301,794	11/1981	TAPPER	604	20	
	4,325,367	04/1982	TAPPER			-
	4,383,529	05/1983	WEBSTER			
	4,393,884	07/1983	JACOBS	131	273	
	4,406,658	09/1983	LATTIN ET AL.	604	20	
	4,416,274	11/1983	JACOBSEN ET AL.	128	803	
	4,429,703	02/1984	HABER	131	273	
	4,474,570	10/1984	ARIURA ET AL.	604	20	
	4,510,939	04/1985	BRENMAN ET AL.	128	639	
	4,639,244	01/1987	RIZK ET AL.			
	4,655,229	04/1987	SENSABAUGH, JR. ET AL.	131	273	
	4,665,921	05/1987	TERANISHI ET AL.			
 -	4,689,039	08/1987	MASAKI		 	
	4,702,732	10/1987	POWERS ET AL.		 	
	4,708,716	11/1987	SIBALIS	604	20	
	4,735,217	04/1988	GERTH ET AL.	131	273	
	4,747,819	05/1988	PHIPPS ET AL.			
Examiner	1,,	1 1	Date Considered		 	<u> </u>

Examine	er: Initial if reference considere	d, whether or not citation is i	in conformance with MPEP 609	Draw line through ci	tation if not in conformance and	not considered.	Include
copy of t	his form with next communicat	on to application.					

INFO	RMATION	DISCLOSURE
	CITAI	TION!

ATTY, DOCKET NO.

SERIAL NO.

CITATION

3589-56

APPLICANT

HENLEY et al

(Use several sheets if necessary)

FILING DATE

GROUP

		U	I.S. PATENT DOCUMENTS			FII IN 0 5 4 T =
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,756,318	07/1988	CLEARMAN ET AL.	131	359	
	4,763,660	08/1988	KROLL ET AL.	128	798	
	4,764,164	08/1988	SASAKI	604	20	
	4,767,402	08/1988	KOST ET AL.			
	4,771,796	09/1988	MYER	131	273	
	4,776,353	10/1988	LILJA ET AL.	131	297	
	4,786,278	11/1988	MASAKI	604	20	
	4,787,888	11/1988	FOX			
	4,793,366	12/1988	HILL	131	273	
	4,800,903	01/1989	RAY ET AL.	131	273	
	4,808,152	02/1989	SIBALIS	604	20	
	4,813,437	03/1989	RAY	131	273	
1	4,820,263	04/1989	SPEVAK ET AL.	604	20	
	4,821,740	04/1989	TACHIBANA ET AL.	604	20	
	4,838,273	06/1989	CARTMELL	600	392	
	4,865,582	09/1989	SIBALIS	604	20	
	4,907,606	03/1990	LILJA ET AL.	131	273	
	4,913,148	04/1990	DIETHELM			
	4,917,119	04/1990	POTTER ET AL.	131	273	
	4,919,648	04/1990	SIBALIS	604	20	
	4,922,901	05/1990	BROOKS ET AL.	128	203.26	
	4,931,046	06/1990	NEWMAN	604	20	
	4,942,883	07/1990	NEWMAN	604	20	•
	4,950,229	08/1990	SAGE, JR.	604	20	
	4,953,565	09/1990	TACHIBANA ET AL.	604	20	
	4,957,480	09/1990	MORENINGS			
	4,979,938	12/1990	STEPHEN ET AL.			
	4,997,418	03/1991	DeMARTINI		-	
	5,002,527	03/1991	RELLER ET AL.			
	5,006,108	04/1991	LaPRADE	604	20	
	5,019,034	05/1991	WEAVER ET AL.	604	20	
	5,037,381	08/1991	BOCK ET AL.			
	5,042,975	08/1991	CHIEN ET AL.			
	5,047,007	09/1991	McNICHOLS ET AL.	604	20	
	5,053,001	10/1991	RELLER ET AL.	604	20	
	5,060,671	10/1991	COUNTS ET AL.	131	329	
Examiner			Date Considered			

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

*Examiner

INFORMATION DISCLOSURE

(Use several sheets if necessary)

ATTY, DOCKET NO.

SERIAL NO.

CITATION

3589-56

APPLICANT

HENLEY et al

FILING DATE

GROUP

3763

U.S. PATENT DOCUMENTS FILING DATE EXAMINER DOCUMENT NUMBER DATE NAME **CLASS** SUBCLASS IF APPROPRIATE INITIAL BAZIN ET AL. 5,090,402 02/1992 5,115,805 BOMMANNAN ET AL. 05/1992 LATHROP ET AL. 07/1992 5,133,352 **SIBALIS** 5,135,478 08/1992 20 SIBALIS ET AL. 604 5,135,479 08/1992 604 22 5,147,291 09/1992 CUKIER 604 20 **HENLEY** 11/1992 5.160.316 11/1992 GYORY ET AL. 5,162,042 TURNER ET AL. 131 273 5,167,242 12/1992 BOSNIAK ET AL. 12/1992 5,169,384 604 20 **FLANAGAN** 12/1992 5,171,215 HAAK ET AL. 5,203,768 04/1993 5,250,022 10/1993 CHIEN ET AL 20 604 10/1993 MAURER ET AL. 5,254,081 5,279,543 01/1994 GLIKFELD ET AL. 02/1994 SAGE, JR. 5,284,471 5,298,017 03/1994 THEEUWES ET AL. GYORY ET AL. 5,310,404 05/1994 MYERS ET AL. 5,312,326 05/1994 McNICHOLS ET AL. 05/1994 5,314,502 07/1994 HENLEY 5,331,979 5,354,321 10/1994 BERGER 11/1994 **ANDERSEN** 5,360,440 11/1994 **GUY ET AL.** 5.362,307 CHIEN ET AL. 5,362,308 11/1994 12/1994 LLOYD ET AL. 5,374,241 12/1994 HAAK ET AL. 5.374,242 INAGI ET AL. 5.376,107 12/1994 02/1995 **VAN GRONINGEN** 5,391,195 UNTEREKER ET AL. 5,395,310 03/1995 WILLIAMSON 5,413,590 05/1995 05/1995 **HENLEY** 5,415,629 06/1995 LIPKOVKER 5,421,816 HOUGHTEN ET AL. 5,441,936 08/1995 De CLAVIERE 08/1995 5,443,441 604 20 KIRK III ET AL. 5,458,569 10/1995 **Date Considered**

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

" Sheet

INFORMATION	DISCLOSURE
CITAT	ION

ATTY. DOCKET NO.

SERIAL NO.

3589-56

APPLICANT

HENLEY et al

(Use several sheets if necessary)

FILING DATE

*EVANIES			J.S. PATENT DOCUMENTS			FILING DATE
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE
	5,464,387	11/1995	HAAK ET AL.			
	5,466,217	11/1995	MYERS ET AL.			
	5,470,349	11/1995	KLEDITSCH ET AL.			-
	5,494,679	02/1996	SAGE, JR. ET AL.			
	5,501,705	03/1996	FAKHRI			
	5,514,167	05/1996	SMITH ET AL.			
	5,538,503	07/1996	HENLEY			
	5,540,669	07/1996	SAGE, JR. ET AL.	604	20	
	5,551,953	09/1996	LATTIN ET AL.			
	5,558,632	09/1996	LLOYD ET AL.			
	5,562,607	10/1996	GYORY			
	5,589,563	12/1996	WARD ET AL.			
	5,603,693	02/1997	FRENKEL ET AL.			
	5,607,461	03/1997	LATHROP			
	5,607,691	03/1997	HALE ET AL.			
	5,618,275	04/1997	BOCK			
	5,658,247	08/1997	HENLEY			-
	5,667,487	09/1997	HENLEY			
	5,668,170	09/1997	GYORY			
	5,676,648	10/1997	HENLEY			
	5,678,273	10/1997	PORCELLI			
	5,688,233	11/1997	HOFMANN ET AL.			
	5,697,896	12/1997	McNICHOLS ET AL.			
	5,700,457	12/1997	DIXON			
	5,711,761	01/1998	UNTEREKER ET AL.			
	5,713,846	02/1998	BERNHARD ET AL.			
	5,722,397	03/1998	EPPSTEIN			
	5,725,817	03/1998	MILDER			
	5,733,255	03/1998	DINH ET AL.			
	5,755,750	05/1998	PETRUSKA ET AL.			
	5,788,666	08/1998	ATANASOSKA			
	5,794,774	08/1998	PORCELLI			
	5,795,321	08/1998	McARTHUR ET AL.			
	5,797,867	08/1998	GUERRARA ET AL.			
	5,830,175	11/1998	FLOWER			
	5,840,057	11/1998	ALOISI			
Examiner	†		Date Considered		1	<u> </u>

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Sheet 5 of 8

					_
INFO	RMA	MOIT	DISCI	_OSUR	Ξ
		OIT AT	CLONI		

ATTY DOCKET NO.

SERIAL NO

CITATION

3589-56 APPLICANT

HENLEY et al

(Use several sheets if necessary)

FICING DATE

GROUP

EXAMINER			S. PATENT DOCUMENTS			FILING DATE
INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE
	5,846,217	12/1998	BECK ET AL.			
	5,865,786	02/1999	SIBALIS ET AL.	604	20	
,	5,879,323	03/1999	HENLEY			
	5,882,676	03/1999	LEE ET AL.			
	5,899,875	5/1999	MILLOT			
	5,899,876	05/1999	FLOWER	604	20	
	5,908,401	06/1999	HENLEY	604	20	
	5,911,319	06/1999	PORCELLI ET AL.			
	5,919,155	07/1999	LATTIN ET AL.	604	20	
	5,931,859	08/1999	BURKE			
	5,935,598	08/1999	SAGE ET AL.			
	5,954,684	09/1999	FLOWER ET AL.	604	20	
	5,961,482	10/1999	CHIEN ET AL.			
	5,961,483	10/1999	SAGE ET AL.			
	5,968,005	10/1999	TU			
	5,968,006	10/1999	HOFMANN			
	5,983,130	11/1999	PHIPPS ET AL.			
	6,004,309	12/1999	PHIPPS			
	6,004,547	12/1999	ROWE ET AL.			
	6,006,130	12/1999	HIGO ET AL.			
	6,018,679	01/2000	DINH ET AL.			<u> </u>
	6,023,639	02/2000	HAKKY ET AL.			
	6,032,073	02/2000	EFFENHAUSER			
	6,038,485	03/2000	AXELGAARD			
	6,041,252	03/2000	WALKER ET AL.			
	6,041,253	03/2000	KOST ET AL.			
	6,048,545	04/2000	KELLER ET AL.			
	6,057,374	05/2000	HUNTINGTON ET AL.			
	6,101,411	08/2000	NEWSOME			
	6,148,231	11/2000	HENLEY	604	20	
····	6,148,232	11/2000	AVRAHAMI	604	20	
	6,167,302	12/2000	MILLOT			
-	6,385,487 B1	05/2002	HENLEY	604	20	
	6,477,410	11/2002	HENLEY ET AL			
		 				
xaminer		1	Date Considered		1	1

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

HENLI	ΞY	et	al
Serial N	No.		

INFORMATION	DISCLOSURE
CITA	TION

ATTY. DOCKET NO.

SERIAL NO.

CHAHON

3589-56

APPLICANT

HENLEY et al

(Use several sheets if necessary)

FILING DATE

GROUP

 	FC	PREIGN PATENT DOCUMENTS			TD4110	1.47104
DOO! IN ITALIT	DATE	COLINTRY	01.400	CURCUACO	TRANS	
 DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	YES	NC
OE 0,232,642	03/1964	AT	604	20	_	
EP 617979 A1	10/1994	EPO				
FR 1,445,703	06/1966	FR	604	20		
FR 2 513 129	03/1983	FR				
GB 0,299,553	11/1928	GB	604	20		
EP 0230749	08/1987	EPO	604	20		
EP 0309093 A1	03/1989	EPO	604	20		
3-170172	07/1991	JP				>
 WO 90/06153	06/1990	PCT		<u> </u>	Х	
SU654254	03/1979	U.S.S.R.				>
SU931191	05/1982	U.S.S.R.				>
 SU1003853	03/1983	U.S.S.R.				\
08571	08/1990	WIPO	604	20		>
 03790	03/1993	WIPO	604	20		
07269	12/1986	WIPO	604	20		
		-		 		
			l			
OTHER DO	CUMENTS (including Author, Title, Date, Perti	inent pages.	etc.)		<u> </u>
		including Author, Title, Date, Perti Herpes," Henley et al.; Laryngoscope			121, Jan	uary
"lontophoretic Treatm 1984	nent of Oral I	Herpes," Henley et al.; Laryngoscope	e, Vol. 94, No.	1, pp. 118-1		
"Iontophoretic Treatm 1984 "Iontophoretic Applica	nent of Oral I	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis	e, Vol. 94, No.	1, pp. 118-1		
"lontophoretic Treatm 1984 "lontophoretic Applica Gangarosa et al.; Me	nent of Oral I ation of Idoxu th. And Find	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis Exptl. Clin. Pharmacol. 1(2), pp. 10	e, Vol. 94, No. : Report of Pr 5-109 (1979)	1, pp. 118-1	nemical	
"lontophoretic Treatm 1984 "lontophoretic Applica Gangarosa et al.; Me "lontophoresis of Vida	nent of Oral I ation of Idoxu th. And Find arabine Mon	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis Exptl. Clin. Pharmacol. 1(2), pp. 10 ophosphate for Herpes Orolabialis,"	e, Vol. 94, No. : Report of Pr 5-109 (1979)	1, pp. 118-1	nemical	
"Iontophoretic Treatm 1984 "Iontophoretic Applica Gangarosa et al.; Me "Iontophoresis of Vida Infectious Diseases,"	nent of Oral I ation of Idoxu th. And Find arabine Mon Vol. 154, No	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis Exptl. Clin. Pharmacol. 1(2), pp. 10 ophosphate for Herpes Orolabialis," 6, pp. 930-934, December 1986	e, Vol. 94, No. : Report of Pr 5-109 (1979) Gangarosa et	1, pp. 118-1 eliminary Ch al.; The Jou	nemical urnal of	Trial
"Iontophoretic Treatm 1984 "Iontophoretic Applica Gangarosa et al.; Me "Iontophoresis of Vida Infectious Diseases," "The Natural History of Medicine, Vol. 297, N	ation of Idoxi th. And Find arabine Mon Vol. 154, No of Recurrent lo. 2, pp. 69-	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis Exptl. Clin. Pharmacol. 1(2), pp. 10 ophosphate for Herpes Orolabialis," 6, pp. 930-934, December 1986 Herpes Simplex Labialis," Spruance 75, July 14, 1977	e, Vol. 94, No. : Report of Pr 5-109 (1979) Gangarosa et e et al.; The No	1, pp. 118-1 eliminary Ch al.; The Jou ew England	nemical urnal of Journal	Trial
"Iontophoretic Treatm 1984 "Iontophoretic Applica Gangarosa et al.; Me "Iontophoresis of Vida Infectious Diseases," "The Natural History of Medicine, Vol. 297, N "Infection with Herpes	nent of Oral I ation of Idoxi th. And Find arabine Mon- Vol. 154, No of Recurrent Io. 2, pp. 69- s-Simplex Vi	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis Exptl. Clin. Pharmacol. 1(2), pp. 10 ophosphate for Herpes Orolabialis," 6, pp. 930-934, December 1986 Herpes Simplex Labialis," Spruance	e, Vol. 94, No. : Report of Pr 5-109 (1979) Gangarosa et e et al.; The No	1, pp. 118-1 eliminary Ch al.; The Jou ew England	nemical urnal of Journal	Trial
"Iontophoretic Treatm 1984 "Iontophoretic Applica Gangarosa et al.; Me "Iontophoresis of Vida Infectious Diseases," "The Natural History of Medicine, Vol. 297, N "Infection with Herpes 667-674, September	nent of Oral I ation of Idoxi th. And Find arabine Mon- Vol. 154, No of Recurrent Io. 2, pp. 69- s-Simplex Vi 27, 1973	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis Exptl. Clin. Pharmacol. 1(2), pp. 10 ophosphate for Herpes Orolabialis," 6, pp. 930-934, December 1986 Herpes Simplex Labialis," Spruance 75, July 14, 1977 ruses 1 and 2," Nahmias et al.; The I	e, Vol. 94, No. : Report of Pr 5-109 (1979) Gangarosa et e et al.; The No	1, pp. 118-1 eliminary Ch al.; The Jou ew England Journal of M	nemical urnal of Journal ledicine	Trial
"Iontophoretic Treatm 1984 "Iontophoretic Applica Gangarosa et al.; Me "Iontophoresis of Vida Infectious Diseases," "The Natural History of Medicine, Vol. 297, N "Infection with Herpes 667-674, September "Anesthesia of the Hu	nent of Oral I ation of Idoxu th. And Find arabine Mon Vol. 154, No of Recurrent Io. 2, pp. 69- s-Simplex Vi 27, 1973 uman Tympa	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis Exptl. Clin. Pharmacol. 1(2), pp. 10 ophosphate for Herpes Orolabialis," 6, pp. 930-934, December 1986 Herpes Simplex Labialis," Spruance 75, July 14, 1977 ruses 1 and 2," Nahmias et al.; The I	e, Vol. 94, No. : Report of Pr 5-109 (1979) Gangarosa et e et al.; The No	1, pp. 118-1 eliminary Ch al.; The Jou ew England Journal of M	nemical urnal of Journal ledicine	Trial
"Iontophoretic Treatm 1984 "Iontophoretic Applica Gangarosa et al.; Me "Iontophoresis of Vida Infectious Diseases," "The Natural History of Medicine, Vol. 297, N "Infection with Herpes 667-674, September "Anesthesia of the Hu Laryngoscope, 88:19"	nent of Oral I ation of Idoxu th. And Find arabine Mono Vol. 154, No of Recurrent Io. 2, pp. 69- s-Simplex Vi 27, 1973 uman Tympa 78, pp. 277-2	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis. Exptl. Clin. Pharmacol. 1(2), pp. 10. ophosphate for Herpes Orolabialis," 6, pp. 930-934, December 1986 Herpes Simplex Labialis," Spruance 75, July 14, 1977 ruses 1 and 2," Nahmias et al.; The I nic Membrane by Iontophoresis of a	e, Vol. 94, No. : Report of Pr 5-109 (1979) Gangarosa et e et al.; The Ne New England Local Anesth	1, pp. 118-1 eliminary Ch al.; The Jou ew England Journal of M etic," Come	nemical urnal of Journal ledicine	of , pp.
"Iontophoretic Treatm 1984 "Iontophoretic Applica Gangarosa et al.; Me "Iontophoresis of Vida Infectious Diseases," "The Natural History of Medicine, Vol. 297, N "Infection with Herpes 667-674, September "Anesthesia of the Hu Laryngoscope, 88:19	ation of Idoxi th. And Find arabine Mon Vol. 154, No of Recurrent Io. 2, pp. 69- s-Simplex Vi 27, 1973 uman Tympa 78, pp. 277-2	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis. Exptl. Clin. Pharmacol. 1(2), pp. 10 ophosphate for Herpes Orolabialis," 6, pp. 930-934, December 1986 Herpes Simplex Labialis," Spruance 75, July 14, 1977 ruses 1 and 2," Nahmias et al.; The I nic Membrane by Iontophoresis of a 285 s," Waud, J. Appl. Physiol. 23(1), 19	e, Vol. 94, No. : Report of Pr 5-109 (1979) Gangarosa et e et al.; The Ne New England Local Anesth	1, pp. 118-1 eliminary Ch al.; The Jou ew England Journal of M etic," Comea	nemical urnal of Journal ledicine au et al.	of , pp.
"Iontophoretic Treatm 1984 "Iontophoretic Applica Gangarosa et al.; Me "Iontophoresis of Vida Infectious Diseases," "The Natural History of Medicine, Vol. 297, N "Infection with Herpes 667-674, September "Anesthesia of the Hu Laryngoscope, 88:19 "Iontophoretic Applica"	ation of Idoxi th. And Find arabine Mon- Vol. 154, No of Recurrent Io. 2, pp. 69- s-Simplex Vi 27, 1973 uman Tympa 78, pp. 277-2 ation of Drug ssis in the Tre	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis. Exptl. Clin. Pharmacol. 1(2), pp. 10. ophosphate for Herpes Orolabialis," 6, pp. 930-934, December 1986 Herpes Simplex Labialis," Spruance 75, July 14, 1977 ruses 1 and 2," Nahmias et al.; The I nic Membrane by Iontophoresis of a	e, Vol. 94, No. : Report of Pr 5-109 (1979) Gangarosa et e et al.; The Ne New England Local Anesth	1, pp. 118-1 eliminary Ch al.; The Jou ew England Journal of M etic," Comea	nemical urnal of Journal ledicine au et al.	of , pp.
"Iontophoretic Treatm 1984 "Iontophoretic Applica Gangarosa et al.; Me "Iontophoresis of Vida Infectious Diseases," "The Natural History of Medicine, Vol. 297, N "Infection with Herpes 667-674, September "Anesthesia of the Hu Laryngoscope, 88:19 "Iontophoretic Applica "Antibiotic Iontophore January 1978, pp. 32	nent of Oral I ation of Idoxu th. And Find arabine Mon- Vol. 154, No of Recurrent Io. 2, pp. 69- s-Simplex Vi 27, 1973 uman Tympa 78, pp. 277-2 ation of Drug sis in the Tre- -34	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis. Exptl. Clin. Pharmacol. 1(2), pp. 10 ophosphate for Herpes Orolabialis," 6, pp. 930-934, December 1986 Herpes Simplex Labialis," Spruance 75, July 14, 1977 ruses 1 and 2," Nahmias et al.; The I nic Membrane by Iontophoresis of a 285 s," Waud, J. Appl. Physiol. 23(1), 19	e, Vol. 94, No. : Report of Pr 5-109 (1979) Gangarosa et et al.; The Ne New England Local Anesth 67, pp. 128-13	1, pp. 118-1 eliminary Ch al.; The Jou ew England Journal of M etic," Comea	Journal dedicine au et al.	of , pp. ; The
"Iontophoretic Treatm 1984 "Iontophoretic Applica Gangarosa et al.; Me "Iontophoresis of Vida Infectious Diseases," 'The Natural History of Medicine, Vol. 297, N "Infection with Herpes 667-674, September "Anesthesia of the Hu Laryngoscope, 88:19 "Iontophoretic Applica "Antibiotic Iontophore January 1978, pp. 32 "The Quantity and Disal.; International Jour	nent of Oral I ation of Idoxu th. And Find arabine Mon- Vol. 154, No of Recurrent Io. 2, pp. 69- s-Simplex Vi 27, 1973 uman Tympa 78, pp. 277-2 ation of Drug ssis in the Tra- -34 stribution of I nal of Derma	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis. Exptl. Clin. Pharmacol. 1(2), pp. 10. ophosphate for Herpes Orolabialis," 6, pp. 930-934, December 1986 Herpes Simplex Labialis," Spruance 75, July 14, 1977 ruses 1 and 2," Nahmias et al.; The Inic Membrane by Iontophoresis of a 285 s," Waud, J. Appl. Physiol. 23(1), 19 eatment of Ear Chondritis," LaForest Radiolabeled Dexamethasone Delivertology, Vol. 19, November 1980, pp.	e, Vol. 94, No. : Report of Pr 5-109 (1979) Gangarosa et e et al.; The Ne New England Local Anesth 67, pp. 128-13 et al., Physica ered to Tissue	1, pp. 118-1 eliminary Ch al.; The Jou ew England Journal of M etic," Comea al Therapy, ' by Iontopho	nemical urnal of Journal fledicine au et al. Vol. 58, presis," (of , pp. ; The No.
"Iontophoretic Treatm 1984 "Iontophoretic Applica Gangarosa et al.; Me "Iontophoresis of Vida Infectious Diseases," "The Natural History of Medicine, Vol. 297, N "Infection with Herpes 667-674, September "Anesthesia of the Hu Laryngoscope, 88:19" "Iontophoretic Applica" "Antibiotic Iontophore January 1978, pp. 32" "The Quantity and Disal.; International Journ "Iontophoretic Applica"	ation of Idoxi th. And Find arabine Mono Vol. 154, No of Recurrent Io. 2, pp. 69- s-Simplex Vi 27, 1973 uman Tympa 78, pp. 277-2 ation of Drug sis in the Tra- 34 stribution of I nal of Derma	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis. Exptl. Clin. Pharmacol. 1(2), pp. 10 ophosphate for Herpes Orolabialis," 6, pp. 930-934, December 1986 Herpes Simplex Labialis," Spruance 75, July 14, 1977 ruses 1 and 2," Nahmias et al.; The Inic Membrane by Iontophoresis of a 285 s," Waud, J. Appl. Physiol. 23(1), 19 eatment of Ear Chondritis," LaForest Radiolabeled Dexamethasone Delivered	e, Vol. 94, No. : Report of Pr 5-109 (1979) Gangarosa et e et al.; The Ne New England Local Anesth 67, pp. 128-13 et al., Physica ered to Tissue	1, pp. 118-1 eliminary Ch al.; The Jou ew England Journal of M etic," Comea al Therapy, ' by Iontopho	nemical urnal of Journal fledicine au et al. Vol. 58, presis," (of , pp. ; The No.
"Iontophoretic Treatm 1984 "Iontophoretic Applica Gangarosa et al.; Me "Iontophoresis of Vida Infectious Diseases," "The Natural History of Medicine, Vol. 297, N "Infection with Herpes 667-674, September "Anesthesia of the Hu Laryngoscope, 88:19 "Iontophoretic Applica "Antibiotic Iontophore January 1978, pp. 32 "The Quantity and Disal.; International Journ "Iontophoretic Applica Sciences, pp. 604-61	ation of Idoxi th. And Find arabine Mon- Vol. 154, No- of Recurrent Io. 2, pp. 69- s-Simplex Vi 27, 1973 uman Tympa 78, pp. 277-2 ation of Drug sis in the Tre- -34 stribution of I nal of Derma ation of Antiv 2	Herpes," Henley et al.; Laryngoscope uridine for Recurrent Herpes Labialis. Exptl. Clin. Pharmacol. 1(2), pp. 10. ophosphate for Herpes Orolabialis," 6, pp. 930-934, December 1986 Herpes Simplex Labialis," Spruance 75, July 14, 1977 ruses 1 and 2," Nahmias et al.; The Inic Membrane by Iontophoresis of a 285 s," Waud, J. Appl. Physiol. 23(1), 19 eatment of Ear Chondritis," LaForest Radiolabeled Dexamethasone Delivertology, Vol. 19, November 1980, pp.	e, Vol. 94, No. : Report of Pr 5-109 (1979) Gangarosa et e et al.; The Ne New England Local Anesth et al., Physica ered to Tissue 519-525 et al., Annals I	1, pp. 118-1 eliminary Ch al.; The Jou ew England Journal of M etic," Comea al Therapy, by Iontopho	Journal dedicine au et al.	of , pp. ; The No.

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

She	eet	7	of		8		
	NFC	RM	ATION	DIS	CLOSURE	ATTY, DOCKET NO.	SERIAL NO.
CITATION						3589-56	
				APPLICANT			
						HENLEY et al	
		(Use s	everal sheet	ts if 1	ecessary)	FILING DATE	GROUP
				O	THER DOC	UMENTS (including Author,	Title, Date, Pertinent pages, etc.)
			Hairless 605-608	s M B	ouse Skin,"	Park et al.; Antimicrobial Agen	nophosphate to Herpes Simplex Virus Type 1-Infected its and Chemotherapy, Vol. 14, No. 4, Oct., 1978, pp.
						itions in Transdermal Medications, June 1995	on Delivery," Costello et al.; Physical Therapy, Vol. 75, N
		1	"Physic	al I		t of Dermatologic Drug Delive	y: Iontophoresis and Phonophoresis, Kassan et al.,

	"Iontophoretic Application of Adenine Arabinoside Monophosphate to Herpes Simplex Virus Type 1-Infected Hairless Mouse Skin," Park et al.; Antimicrobial Agents and Chemotherapy, Vol. 14, No. 4, Oct., 1978, pp.
	605-608 "Iontophoresis: Applications in Transdermal Medication Delivery," Costello et al.; Physical Therapy, Vol. 75, No. 6, pp. 104/554-113/563, June 1995
	"Physical Enhancement of Dermatologic Drug Delivery: Iontophoresis and Phonophoresis, Kassan et al., Journal of the American Academy of Dermatology, April 1996, pp. 657-666
	"Iontophoresis and Herpes Labialis," Boxhall et al.; The Medical Journal of Australia, May 26, 1984, pp. 686- 687
	"Iontophoresis: A Method of Antibiotic Administration in the Burn Patient," Rapperport et al., Plastic and Reconstructive Surgery, 1965, Vol. 36, No. 5, pp. 547-552
	"lontophoresis for Enhancing Penetration of Dermatologic and Antiviral Drugs," Gangarosa et al., Journal of Dermatology, Vol. 22, No. 11, pp. 865-875, November 1995
	"Iontophoretic Treatment of Herpetic Whitlow," Gangarosa et al., Arch. Phys. Med. Rehabil., Vol. 70, pp. 336-340April 1989
	"Iontophoretic Application of Antiviral Drugs," Gangarosa et al., Proceedings of an International Symposium held in Tokushima City, Japan, pp. 201-204, July 27-30, 1981
	"Iontophoretic Application of Adenine Arabinoside Monophosphate for the Treatment of Herpes Simplex Virus Type 2 Skin Infections in Hairless Mice," Gangarosa, The Journal of Infectious Diseases, Vol. 140, No. 6, pp. 1014, December 1979
	"Effect of lontophoretic and Topical Application of Antiviral Agents in Treatment of Experimental HSV-1 Keratitis in Rabbits," Kwon et al., Investigative Ophthalmology & Visual Science, Vol. 18, No. 9, pp. 984-988, September, 1979
	"Acyclovir and Vidarabine Monophosphate: Comparison of Iontophoretic and Intravenous Administration for the Treatment of HSV-1 Stromal Keratitis," Hill et al., The American Journal of Medicine, Acyclovir Symposium, pp. 300-304
	"Thymine Arabinoside (Ara-T) Topical and Iontophoretic Applications for Herpes Simplex Virus Type 1 and Type 2 Skin Infections in Hairless Mice," Hill et al., Meth. And Find. Exptl. Clin. Pharmacol. 6(1), pp. 17-20, 1984
	"Iontophoresis Enhances the Transport of Acyclovir Through Nude Mouse Skin by Electrorepulsion and Electroosmosis," Volpato et al., Pharmaceutical Research, Vol. 12, No. 11, pp. 1623-1627, 1995
	"Early Application of Topical 15% Idoxuridine n Dimethyl Sulfoxide Shortens the Course of Herpes Simplex Labialis: A Multicenter Placebo-Controlled Trial," Spruance et al., The Journal of Infectious Diseases, 1990; Vol. 161; pp. 191-197
-	"Iontophoresis for Surface Local Anesthesia," Gangarosa, JADA, Vol. 88, pp. 125-128, January 1974
	"Conductivity of Drugs Used for Iontophoresis," Gangarosa et al., Journal of Pharmaceutical Sciences, Vol. 67, No. 10, pp. 1439-1443, October, 1978
	"A Pilot Study of Iontophoretic Cisplatin Chemotherapy of Basal and Squamous Cell Carcinomas of the Skin," Chang et al., Arch. Dermatol., Vol. 129, pp. 425-427, April 1993
	"How Modern lontophoresis Can Improve Your Practice," Gangarosa et al., (Quintessence International) Oral Surgery, No. 10, Report 2135, October 1982, pp. 1027-1038
	"Postherpetic Neuralgia," Baron et al., Brain (1993), 116, pp. 1477-1496
*Examiner	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE	ATTY. L
CITATION	3589
	APPLIC

		_
ATTY, DOCKET NO.	SEHIAL NO.	
3589-56		
APPLICANT		_
HENLEY et al		

GROUP

(Use several sheets if necessary) FILING DATE

	OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)
	"Iontophoretic Assistance of 5-lodo-2'-Deoxyuridine Penetration into Neonatal Mouse Skin and Effects of DNA
	Synthesis," Gangarosa et al., Society for Experimental Biology and Medicine, pp. 439-443, 1977
1 1	"Electrophoretic Evaluation of the Mobility of Drugs Suitable for Iontophoresis," Kamath et al., Meth. Find. Exp.
	Clin. Pharmacol., 1995, 17(4): pp. 227-232
	"Transdermal Drug Delivery by Passive Diffusion and Iontophoresis: A Review," Singh et al., Medicinal Research Reviews, Vol. 13, No. 5, 1993, pp. 569-621
	"lontophoresis: Electrorepulsion and Electroosmosis," Guy et al., Journal of Controlled Release 64 (2000)
	129-132
	"Treatment of Common Cutaneous Herpes Simplex Virus Infections," Emmert, American Family Physician,
	Vol. 61, No. 6, March 15, 2000, pp. 1697-1704
	"Gelatin-stabilised Microemulsion-Based Oranogels: Rheology and Application in Iontophoretic Transdermal
	Drug Delivery," Kantaria et al., Journal of Controlled Release 60 (1999) 355-365
	"Electrorepulsion Versus Electroosmosis: Effect of pH on the lontophoretic Flux of 5-Fluorouracil," Merino et
	al., Pharmaceutical Research, Vol. 16, No. 6 (1999)
	"Azelaic Acid: Potential as a General Antitumoural Agent," Breathnach, Medical Hypotheses (1999) 52(3) 221-226
	"Treatment of Mucocutaneous Herpes Simplex Virus Infections Unresponsive to Acyclovir with Topical
 	Foscarnet Cream in AIDS Patients: A Phase I/II Study," Javaly et al., Journal of Acquired Immune Deficiency
	Syndromes 21:301-306
	"Efficacy and Safety of Azelaic Acid and Glycolic Acid Combination Therapy Compared with Tretinoin Therapy for Acne," Spellman et al., Clinical Therapeutics, Vol. 20, No. 4, 1998, pp. 711-721
	"Passive Versus Electrotransport-Facilitated Transdermal Absorption of Ketorolac," Park et al., Clinical
	Pharmacology & Therapeutics, Vol. 63, No. 3, pp. 303-315
	"Soriudine Versus Acyclovir for Treatment of Dermatomal Herpes Zoster in Human Immunodeficiency
	Virus-Infected Patients: Results from a Randomized, Controlled Clinical Trial," Gnann et al., Antimicrobial
	Agents and Chemotherapy, Vol. 42, No. 5, May 1998, pp. 1139-1145
	"Azelaic Acid 20% Cream (AZELEX®) and the Medical Management of Acne Vulgaris," Gibson, Dermatology
	Nursing, Vol. 9, No. 5, pp. 339-344 "Sorivudine: A Promising Drug for the Treatment of Varicella-Zoster Virus Infection," Whitley, Neurology 1995;
	45 (Supp. 8), pp. S73-S75
	"Antiherpesviral and Anticellular Effects of 1-B-D-Arabinofuranosyl-E-5-(2-Halogenovinyl) Uracils," Machida et
	al., Antimicrobial Agents and Chemotherapy, July 1981, pp. 47-52
	"Herpes Simplex," American Academy of Dermatology, 1987, Revised 1991, 1993
	"'Common Cold' Virus is Near," Haney, The Associated Press, January 15, 2000
	"New Medicines Move to Eradicate Acne," Hemphill, The New York Times, February 29, 2000
	"Warts," American Academy of Dermatology, American Academy of Dermatology, 1997, Revised 1991, 1993
	"Psoriasis," American Academy of Dermatology, 1994
	"Eczema/Atopic Dermatitis," American Academy of Dermatology, 1987, Revised 1991, 1993, 1995
	"Skin Cancer: An Undeclared Epidemic," American Academy of Dermatology, 1988, Revised 1989, 1993, 199
*Evenines	Data Considered
*Examiner	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.